

Vol. XXIII.

No. 20

MARCH, 1904



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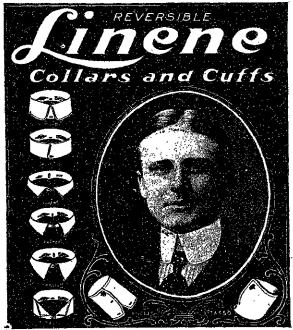
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Kindly assist your Portfolio Committee and Class Photographer, by making appointments for sittings right away. This is necessary, as the class elected their committee about a month later than last year. Respectfully,

CHAS. W. HEARN

SENIOR CLASS PHOTOGRAPHER '04

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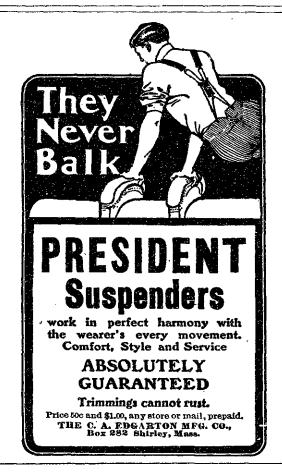
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THE TECH

VOL. XXIII.

BOSTON, MARCH 17, 1904.

No. 20.

ТНЕ ТЕСН

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

I,EONARD T. BUSHNELL, 1905, Editor-in-Chief.
CHARLES T. BARTLETT, 1906, Managing Editor.
H. EVERETT DARLING, 1906, Secretary.
C. H. GRAESSER, 1905.

W. GREEN, 1905.

J. DANIELS, 1905.

A. MERRILL, 1905.

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C. G. LORING, 1906, Art Editor.

MIGUEL, AHUMADA, Jr., 1906, Business Manager. F. A. BENHAM, 1906, Assistant Business Manager. D. G. ROBBINS, 1907, Assistant Business Manager.

OFFICE: 30 ROGERS, 491 BOYLSTON STREET.

Editor-in-Chief Daily, 8.30-9 A.M. Business Manager Wednesday, 12-1 P.M.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

: Contributions are requested from all undergraduates, glumni, and officers of instruction. No anonymous manuscript can be accepted.

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Tech Show in abolishing the misleading name of dress rehearsal, as applied to the Tuesday performance, will meet the approval of all. It is well recognized that when the first performance is called a dress rehearsal, even though it is in every way the equal of the Friday performance, most men will prefer to attend the latter. This tendency has caused considerable annoyance, as, of course, every one cannot secure the best seats at the Friday performance. This year especial pains are being

taken to make the Tuesday performance perfect, and special features are being arranged for that day, so that it is hoped advantage will be taken of the chance to secure good seats at a performance in every way equal to that of Friday.

VERY man who has come to Tech has heard something at one time or another about the matter of physical exercise. Yet how many of us have heeded the advice we have received as to the care of our bodies? We come to Tech to train our minds, that we may use them to help us to a successful intellectual life. Do we not, many of us, forget that we should also be training our bodies, that they may serve us faithfully through life?

That a man should sacrifice mental advancement to the necessity for health seems a statement that can have no opposition. Yet there are men at Tech who seem not to realize its truth. There are men here who know themselves that they are injuring their health by over study. It is all very well to be persevering and to stick to a thing for all it is worth, but don't stick to a thing merely for the sake of sticking to it. If in persevering in working for a desirable end you are losing more than that end can give, you are wasting your efforts. Many men go on the theory that, though they must sacrifice their health to a slight extent while here, they will be all right when out of Tech, and can regain what they have lost. Can they? Neglectful practices in caring for our bodies are just as hard to break as any other bad habits. Besides, even though you may succeed in living a healthier, more out-of-door life when you have left Tech, that does not alter the fact that—if you are within the normal age limits here—you have passed the time when you should acquire correct habits of exercise, and when the acquisition means most to you.

Again, the man who is regular in exercise of some form is able to study to more advantage. This fact is substantiated by the observation of the Dean, expressed at one of our recent class dinners, that athletics are not detrimental but advantageous to the scholastic records of men. The Dean is certainly in a position to know.

In your studies here you are left a great deal to yourself. You must do a great deal of the work with only the barest supervision from the instructors of the Institute, In the matter of physical exercise, something of far greater moment to you, you are thrown altogether upon your own responsibility. Do not show yourself unworthy of that responsibility.

The Show.

The work so far on the Show has been largely preliminary, and has made the men familiar with their parts, steps and songs. This week "business" has been introduced, and in general the work has been more directed toward perfecting them in what they are to do. It is far too early to form any judgment or express any opinion as to the success of the Show, but it is evident from the spirit of the men that it will be a great success, for in book and music "Simon Pure Brass" is a worthy successor to "The Scientific King." Some curiosity has been caused by the striking name chosen. Brass is one of the leading parts, and his adventures in and around Granite University, with his stranded vaudeville troupe, give a chance forexcellent comedy work which will be fully availed of.

There have been rumors for some time that the Tuesday performance was to be placed on a par with that of Friday, and the management has finally decided to take that step. In point of merit the two performances have been equal, and it is hoped that by this action the demand for seats may be more equally divided. Two full dress rehearsals will be held before the Tuesday performance, and every attempt will be made to make the first public performance without a flaw. It has been found impossible to give three performances, this year at least, but in raising the Tuesday performance to the level of the Friday a step is taken in that direction. To many men one day is as convenient as the other, and the management hopes that such men will apply for seats on Tuesday, as they will have a much better chance to get the seats they want. The two full dress rehearsals will insure a perfect presentation, and special features, to be announced later, are being arranged.

The management wishes to announce that there will be an all day rehearsal on Tuesday, April 19, at the Union. It is imperative that every man in principals, chorus, and ballet should be present. Lunch will be served by the management. In addition, the attention of every man trying for a position in the Show is called to the necessity of regular and prompt attendance at the rehearsals.

The management, as finally announced, is: General Manager, P. M. Smith, '04, of Syracuse; Business Manager, E. Harrah, '04, of New York; Assistant Business Managers, F. S. Hamilton, '07, of South Blue Hill, Me., and R. W. Parlin, '07, of Wollaston; Stage Manager, P. E. Hinkley, '05, of Portland; Assistant Stage Managers, K. E. Terry, Jr., '06, of New Bedford, and R. G. Kann, '07, of Pittsburg.

The Freshman Dinner.

The Class of 1907 held its dinner at the Union on last Friday evening, March 11. About 140 members of the Class were present, and the dinner was, in every way, a complete success. President Otis introduced H. A. Middleton as toastmaster, and that the choice was a happy one was demonstrated long before

the evening was over. Dean Burton, who spoke in his usually happy vein, was the first speaker. He urged the Class to have more informal affairs at the Union, so that the members could become better acquainted with one another. Dr. Talbot, the next speaker, gave a very interesting talk, in which he urged all to look into things, and not be afraid to find out if they were right or Wrong. Mr. Powers then gave a very humorous talk, of which the moral was: "Go into things with a vim, and always stick to the right."

After the diffier was over, the Freshman Orchestra played several selections, which were very well received. R. Landers, accompanied by E. H. Packard, entertained the Class with several excellent vocal solos, and the evening came to a close with the general singing of Tech songs.

Chess Team.

The Chess Team played the Boston Chess Club on Friday last, but owing to the non-appearance of some of the members, three games were forfeited. The men were paired, and scored as follows:

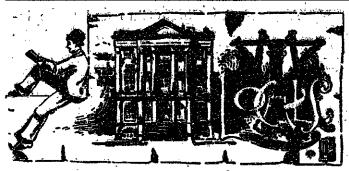
TECH.		BOSTON CHESS	CLUB.
Morey,	I	Miller,	0
Newton,	I	Krauss,	I
Merwin,	0	George,	1
Forfeited,	0		3
	I		5

Next Friday the team will play the Boston Press Club at their rooms, 156 Tremont Street, and on Saturday at 2.30 Mr. W. J. Lourie will play a simultaneous match with members of the M. I. T. Chess Club and any others wishing to participate. Those wishing to play should bring men and board. It is hoped that some of the members of the Faculty will take part.

Members of the Chess Club and those intending to join later are urged to attend the rest of the games this year, for next year it is desired to form an intercollegiate schedule, and the Institute must be represented by the best possible team.

The Professional Societies.

The activity of the professional societies is more or less of an index of the interest taken by undergraduates in broadening their work and meeting each other socially. The value of these societies to a man is just what he is willing to make it. If he is interested, they afford him an excellent opportunity to meet and become well acquainted with the other men in his course. In after life he will constantly run across these men having a similar occupation, and it is not difficult to see that their acquaintance will be of value. Apart from this are the interesting addresses given from time to time. Such activity has been particularly manifested by the Mechanical Engineering Society, with five important meetings, the Civil Engineering Society with five, the Electrical Engineers with seven, and the Chemical Society with six. The architects and naval architects have not been far behind. The electrical engineers and chemists have become affiliated in some degree with national societies whose New England headquarters are in Boston and whose members include many of our graduates. To deny the importance and value of these societies is futile. The Mining Engineering Society has in the past been also an active agent, and if the recent enthusiastic meeting, with an addition to its membership of twenty-four men, and with its particularly interesting lecture, is any criterion, it proposes to be worth while in the future. At the present time it is possible for Sophomores to join most of the societies, and the advantage of doing so should be readily perceived by all who are still non-members.



The Musical Clubs will give another concert Friday night in Dorchester.

Junior Class pictures on sale at the "Cage" daily, from 1 P.M. to 2 P.M. Price \$1.00.

R. D. Farrington, '05, won the high jump at the Boston College Athletic Meet last Friday, with an actual jump of 5 feet 9 inches.

Kommers every Saturday evening at the Union. "The only reason you are not a regular attendant is because you have never been."

Last Saturday the Fencing Team representing the University of Pennsylvania was defeated by West Point in an interesting contest, which ended with the score 6 to 3 in favor of the Cadets.

A Lowell Club has been recently organized, with the following officers: L. Russell, president; W. Spalding, vice-president, and L. Gillmore, secretary and treasurer. Although no definite date has been decided upon for a dinner, the members plan to have one in the near future, at Tech Union.

A number of the members of the Mining Engineering Society accepted the invitation of the Harvard Mining Club to attend a talk given by Mr. J. Parke Channing, a prominent mining engineer, at Harvard Union, on March 15. Mr. Channing addressed the third year class in mining at the Institute on Wednesday, March 16. He gave a very interesting talk on "Hoisting Machinery."

Tech vs. Worcester Polytechnics

The Tech Basket Ball Team was defeated by the team representing Worcester Polytechnic at the Tech Gym the evening of March 9. It was a hard game to lose and perhaps the members of the team were a little too confident at the start, for their opponents by rapid play rolled up a score of 25 to their 3 in the first half. In the second half the men, however, certainly made a heroic effort to win and practically outplayed their opponents, but the lead was too great and the game ended with the score 35 to 17 in Worcester's lavor. It is most unfortunate that the team lost this game, as it has done splendid work this year and every contest has shown that Tech is no mean foe in basket ball. One of the best things about the game was the rousing support given by the undergraduates, who turned out and cheered the players with true Tech spirit.

SUMMARY.

TECH.	Worcester Polytechnic.
Blake (Capt.), l. f.	Peters, r. g.
Mathison, r. f.	Butterfield, l. g.
Burleigh, c.	Martin, c.
Ager, l. g.	Hall, r. f.
Wiggins, r. g.	Dickerman (Capt.), l. f.
	Butterfield A. Hall A. Blake 2.

Goals from floor — Butterfield 4, Hall 4, Blake 3, Ager 3, Dickerman 3, Peters 3, Martin 2, Wiggins 2. Goals from fouls — Dickerman 3, Blake 1. Referee — Briggs of M. I. T. Umpire — Gilbert of Worcester. Time — 20-minute halves.

Pennsylvania Club Dinner.

The dinner given by the newly formed Pennsylvania Club at the Tech Union last Thursday evening was very successful. The gathering was not only for the purpose of having a good time and getting better acquainted, but also in order to draw up a constitution and perfect organization. During the evening the following officers and Executive Committee were elected: President, R. S. Beard, '05; vice-president, K. H. Disque, '06; secretary, C. S.

Dean, '07; treasurer, C. H. Shapleigh, '06; Executive Committee: J. M. Lambie, '05, F. M. Fuller, '06, G. D. Luther, '07. Thirty-two members, or two-thirds of the Pennsylvania men at the Institute, attended, and the club gives great promise of being very flourishing.

Calendar.

THURSDAY, MARCH 17.

- 4.00 P.M. MANDOLIN CLUB REHEARSAL. Rogers 31 4.00 P.M. "TECHNIQUE" ELECTORAL COMMITTEE.
- Meeting in 11 Rogers.
 4.00 P.M. GLEE CLUB REHEARSAL. Trophy Room
- 4.15 P.M. TECH SHOW REHEARSAL. Ballet. Tech.

FRIDAY, MARCH 18.

- 4.15 P.M. TECH SHOW REHEARSAL. Chorus. Tech Union.
- 6.30 P.M. WISCONSIN CLUB. Tech Union.
- 8.00 P.M. GLEE, MANDOLIN, AND BANJO CLUBS. Concert at Highland Club, West Roxbury.

SATURDAY, MARCE. 19.

- 12.45 P.M. GLEE CLUB REHEARSAL. Tech Union.
- 6.00 P.M. SATURDAY NIGHT KOMMERS. Get tickets of Mr. Powers or Co-operative branches. "The only reason you are not a regular attendant is because you have never been."

MONDAY, MARCH 21.

- 1.00 P.M. GLEE CLUB REHEARSAL. Trophy Room.
- 4.00 P.M. LECTURE on "The Wilderness, Petersburg, and the Surrender," by Mr. Johnston, in Rogers 11.
- 4.15 P.M. TECH SHOW REHEARSAL. Ballet. Tech Union.

TUESDAY, MARCH 22.

- 4.00 P.M. MANDOLIN CLUB REHEARSAL. Rogers 31.
- 4.15 P.M. TECH SHOW REHEARSAL. Chorus. Tech Union.
- 8.00 P.M. GLEE, MANDOLIN, AND BANJO CLUBS. Concert at Gloucester.

WEDNESDAY, MARCH 23.

- 4.15 P.M. TECH SHOW REHEARSAL. Principals. Tech Union.
- 8.00 P.M. MECHANICAL ENGINEERING SOCIETY. Mr. L. H. Kunhardt, '89, will speak on "Fire Protection."

THURSDAY, MARCH 24.

- 4.00 P.M. MANDOLIN CLUB REHEARSAL. Rogers 31.
- 4.15 P.M. TECH SHOW REHEARSAL. Ballet. Tech Union.

6.00 P.M. DEUTSCHER-VEREIN DINNER. Tech Union. 8.00 P.M. A. I. E. E. MEETING in 6 Lowell. Subject: "Polyoptikous."

FRIDAY, MARCH 25.

4.15 P.M. TECH SHOW REHEARSAL. Chorus. Tech Union.

Tech vs. Phillips Andover.

Tech again went down to defeat in basket ball last Saturday afternoon before Phillips Andover at Andover, by a score of 35 to 17. Blake did the best work for Tech, scoring all but four points.

SUMMARY.

ANDOVER.

Schildmiller, l. f.

Humphries (Kinney), r. f.

Thompson, c.

Clough, l. g.

Cushman, r. g.

M. I. T.

Wiggins, r. g.

Ayer, l. g.

Burleigh, c.

Mathison, l. f.

Blake, r. f.

Score — Phillips Andover, 35; M. I. T., 17. Goals from the floor — Humphries 3, Schildmiller, 3, Thompson 2, Cushman, Clough 5, Kinney 2, Ayer, Blake 4, Wiggins. Goals from fouls — Clough 3, Blake 5. Referee — Bullinger. Umpire — Googin. Timekeeper — Dr. Page. Time — 20-minute halves.

Cross Country Elections.

The M. I. T. Cross Country Association held its second meeting of the second term last Monday, in 11 Eng. B. The object of the meeting was to elect officers for the ensuing term. Those elected were: President, W. K. Major, '07; secretary, F. P. Poole, '05; manager, L. F. Meyers, '04; captain, E. T. Lorenz. '05; chase captain, B. B. Holmes, '07. The runs will commence as soon as the weather permits, and it is the intention of the association to arrange runs with different colleges later in the spring. That we have a good team goes without saying. Our victory over Amherst last fall demonstrated this fact conclusively. the Cross Country Team, like all our teams. requires the moral and financial support of the students, and unless this is given, it may safely be said that all the bright prospects of the team will vanish.

Rifle Club.

A movement is on foot to organize a Rifle Club at the Institute. The movement has received great impetus at the present time from the fact that there is a bill in Congress providing for the armament of all such clubs by the War Department with the latest magazine rifles and ammunition.

There are a large number of qualified marksmen in the various classes at the Institute, some of whom have also qualified as sharp-shooters, so there is no reason why such a club is not perfectly possible at Tech. If a strong club can be formed, a team should also result, and much benefit would be derived by the members. In order that the movement may not fall through, it is essential that all those interested see Lieutenant Worcester as soon as possible. It is planned not to set high requirements of skill for entrance into the contemplated club, so there is no reason why the Tech Rifle Club should not, in the near future, have a strong and enthusiastic membership.

Civil War Lectures.

The course of lectures which Mr. C. H. L. Johnston is now giving is well worth attending. The lectures show that the speaker has a broad knowledge of the principal events of the great strife and is well acquainted with the scenes of some of the bloodiest and most important battles in history. Mr. Johnston handles his subject in a delightful manner, and instead of listening to only the dry, matter-of-fact, historical side of a battle, his hearers are constantly treated to anecdotes and true "war stories." The Civil War occupied a long period and volumes have been written in the attempt to cover it, but the tendency is, when trying to read about all the numerous causes and effects, to become not only confused but discouraged. So it is certainly a boon to have the truly vital events picked out and lectured on in a popular manner.

Civil Engineering Society.

The Civil Engineering Society meeting scheduled for Tuesday afternoon was postponed on account of the illness of Mr. Fuller, who was to have spoken. The meeting is likely to come at any time now. The Society is to hold its annual dinner at the Westminster Hotel on the evening of March 31. A number of prominent engineers are to be present, and with the present large membership of the Society there is every prospect of this being one of the most successful dinners ever held by the Society. Tickets are a dollar and a half, and may be obtained from any of the officers of the Society.

Freshman Battalion.

The progress of the Freshman Battalion this year has been most satisfactory to those in charge. The company movements being fairly well understood, the drill hours are at present spent in battalion drill, parade, and instruction in guard duty. There are only four companies this year and it is therefore much easier to manœuvre than was possible last year, when the size of the class necessitated six. Next Wednesday afternoon at 2 o'clock the Battalion is to be reviewed by President Prichett, this being the first of the series of special drills, which include the Prize and Exhibition Drill and the final inspection by a regular army officer.

1905 Pictures.

Copies of the 1905 pictures are posted on the *Technique* bulletin board, Rogers Corridor. Members of the Class are requested to identify the men enclosed by paper circles, and to leave the names at the "Cage," box 91.

Sly Sam smoked a ton of Perique,
And didn't feel well for a wique;
If he smoked any more,
There'd be crape on the door,
And the cause would be easy to seaque.

LIFE.



NATIONAL.

The opinion of the Supreme Court of the United States in the case of the Northern Securities Company vs. the United States, involving the merger of the Northern Pacific and the Great Northern Railroad Companies, has been handed down and was in favor of the government.

The opinion was read by Justice Harlan, and the opinion of the United States Circuit Court of the district of Minnesota was affirmed. The effect is to sustain the contention that the Sherman antitrust law applies to railroad combinations of the character in question. Justice Harlan said that in the merger of the two roads the stockholders disappeared, and reappeared in the Securities Company, the two thus becoming practically consolidated in a holding company, the principal object being to prevent competition. "No scheme or device could certainly more effectively come within the prohibition of the anti-trust law, and it is, within the meaning of the act, a 'trust.'"

The report of Fourth Assistant Postmaster-General Bristow was read in the House of Representatives last week, and caused great excitement in that body by referring to several members of Congress. The feeling ran very high, and an investigation of postal affairs, as far as members of the House are concerned, was ordered by a special committee of seven members, to be appointed by the Speaker; who, likewise, are to examine into the origin of the Bristow report so far as it concerns members of the House.

The senatorial inquiry into the charges against Senator Dietrich of Nebraska has begun, and

is for the purpose of probing the charges on which the senator was indicted last fall in Nebraska, and which were dismissed on demurrer.

FOREIGN.

The Japanese fleet has returned from Vladivostok to the vicinity of Port Arthur and has been
shelling that place at long range, evidently to
see if they could reach the inner harbor from
outside. No statement is given as to the
damage done. Another sea fight is reported in
which six Russian torpedo boats went out to
sea and encountered the Japanese torpedo boats.
A Japanese torpedo boat was sunk, as was also
a Russian destroyer. It is reported that the
Russian troops in Manchuria are suffering greatly
from cold and hunger.

The question of the coaling of the Russian Baltic fleet during its proposed voyage to the Far East next summer is considered one of great delicacy. The strict rule allows the warships of a belligerent to take in a neutral port enough fuel to carry them to the nearest home port. It is not known what the British ports of India will do, for the forwarding of the fleet would be direct aid to Russia against Great Britain's ally, Japan.

GENERAL.

The Committee on Military Affairs reported favorably the bill to present to the city of Boston the disused cannon and other military trophies on Castle Island. These guns and carriages now form part of the armament of Fort Independence.

No team of American tennis players will be sent to England this year as challengers for the Davis international challenge bowl which was won by the English players at Longwood last season. This failure to send a team causes much disappointment, but the committee evidently could not get together a team which would fittingly represent this country in so important a contest:

Three American amateur swimming records were broken at the Brookline Swimming Club's meeting last week. H. Le Moyne swain fifty yards in 27 1-5 seconds, breaking the American record of 28 seconds; C. M. Daniels took 4 1-5 seconds off the American record in the 440-yard race, which he won in 6 minutes 5 4-5 seconds; and A. M. McCormack added 2 feet 7 inches to the record in the plunge for distance, going 65 feet 7 inches.

Saturday Night Dinner.

About forty men were present at the Saturday evening dinner at the Union. Mr. Litchfield, '85, and Mr. Bullard were present and helped to make the evening very enjoyable. Mr. Litchfield, who is the author of "Take Me Back to Tech," spoke of the circumstances under which the song was written. He explained the work of the Northwestern Association, and of the Tech spirit which is growing with time. As a finale to his interesting remarks, he submitted some verses for a new song.

Mr. Bullard had some new verses apropos of the recent Harvard-Tech episode and these were sung. It is hoped that at the future dinners, alumni of the Institute will be present to help make the dinners memorable.

" Mens et Manus."

(Air, "America.")

Technology, with thee,
Our hearts shall ever be.
To thee we come;
We love thy honored name,
We praise thy lustrous fame,
Let mind and hand proclaim
Each worthy son.

Thy heritage shall be,
Dear old Technology,
Our loyal best;
No matter what befall,
We hear thy heartening call,
And naught can us appall,
Whom thou hast blest.

1. W. LITCHFIELD, '85.



THE LOUNGER feels that he ought to offer some explanation for his recent absence from the 'Stute.' He is only going to tell this to you in strictest confidence, for if the managers of the Brunswick were to hear of it they might sue him for the damages to their trade caused by his absence. It happened this way. The Lounger is almost positive you won't believe the account, for he prides himself on being known as the student's criterion of propriety. To be told that he was a party to such an occurrence is almost as horrifying as to suspect the Faculty of meditating an extra holiday in Junior Week or Prof. Cross of discovering an experiment that is not fussy. To resume: The evening before the Freshman Algebra exam. last mid-year's, THE LOUNGER went to have a lounge with a friend - THE LOUNGER has some — and here met a young fellow studying Algebra with the friend's Freshman roommate. The next day his Royal Indolence was roused from the mental rub-down with which he had been soothing his weary brain in the inner sanctum, third floor, Rogers. What was the racket? THE LOUNGER'S investigating mind required knowledge. He glided down into the mob in Roger's Corridor. Imagine his indignation! They were only Freshmen who had interrupted the intensity of his mental vacuum discharge! Out of sheer goodness of heart THE LOUNGER forgave his protegés and turned sadly away. As he went down the steps he saw his acquaintance of the evening before and resolved to appear solicitous for his welfare. So THE LOUNGER asked how the acquaintance had hit the Algebra exam. The acquaintance replied, "I didn't take it."

"Oh, weren't you studying at Hutsohn's room yesterday evening?"

"Yes, I was tutoring him." Ah! a fourth year man?"

"No, I am an Instructor in the drawing rooms over in Eng. A." It may take courage to face an armor-piercing dynamite shell, but "

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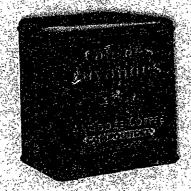
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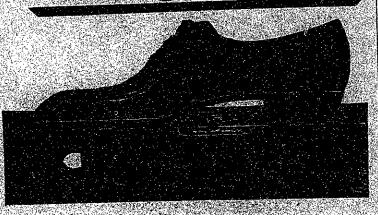
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